

MGG 66 1 1 5 0 1 3

USGS STATION LOC _____

SHIP / LEG S12-78-NC

DAY/MONTH/YEAR

LATITUDE 41°42.49'DATE 6/Nov/78LONGITUDE -124°27.12'

TYPE OF STORAGE (check one)

STATION NO. 101☐☒☐LINE NO. E55A

DRY

COLD

FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (C4)	BASIC LITHOLOGY	REMARKS
101G	159m	2.4m		

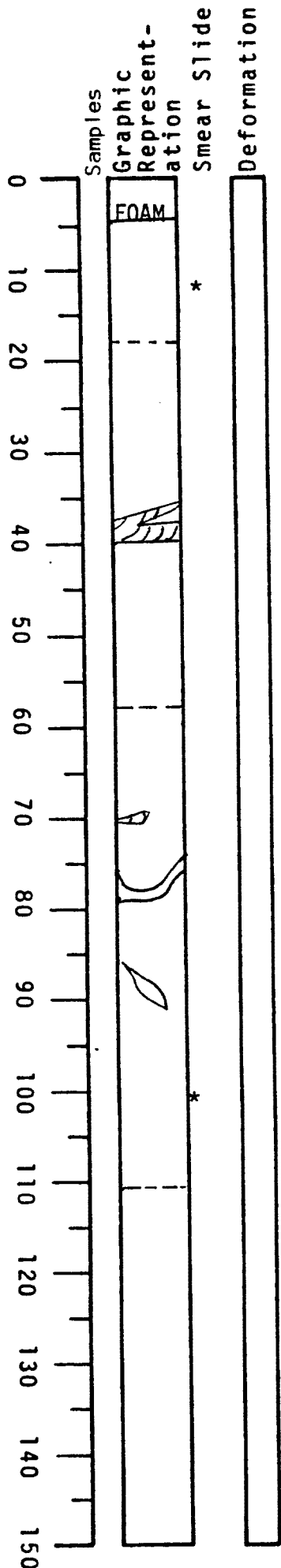
REMARKS:

2 sections

core catcher in plastic bag

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	1	2	-	7	8	N	C	1	0	1	G	1
								STATION#		OBSERVER		
								1	0	1	FLW	



-6cm top

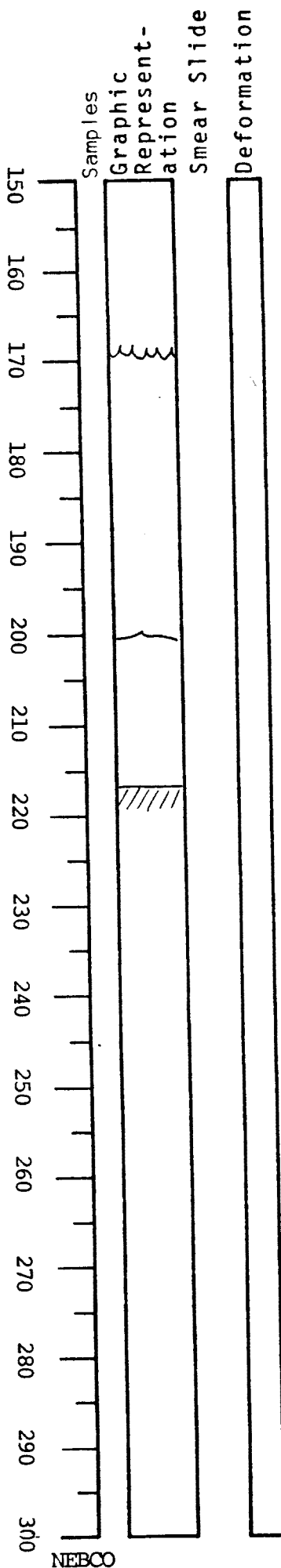
6-18 cm olive gray 5Y3/2 clay; mottled by black burrows & amorphous features (8-10%); gray areas not readily distinguishable under microscope. Perhaps due to diff in organic content

18-58 cm olive gray 5Y3/2 silty clay; heavily burrowed (25-30); 2 large intersecting ones at 35-40 (max 2cm in diameter); upper contact indistinct

58-110 cm similar to 18-58cm segment but moderately burrowed; burrow concentration at 75cm, and 90-100; lens of 10YR 5/4 mod yel brown material at 90cm; shell frag at 98cm

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	2	-	7	8	N	C		1	0	1	G	2
STATION#										OBSERVER			
	1	0	1							FLW			



110-169 cm - olive gray 5Y 3/2 silty clay; homogeneous except for light burrowing at 120 cm; lower contact distinct with mini-load casts set off by 2 cm of light olive gray material (5Y 6/1) at 167-169 cm

169-200 cm - 30% burrowed

202-217 cm - silty clay, undisturbed, homogeneous

217 cm - bottom

SAMPLE LOG

LOCATOR: S1278NC

SAMPLE NO: 101G

STATION NO: 101

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
CC		Field	USGS	Age	11/9/78
CC		"	"	Nanno	"
"	9-11 cm	Field	"	Texture	"
"	9-11	"	"	Age	"
"	9-11	Wong	"	Mineralogy	"
2	2.3	Field	"	Age/Nanno	n/10
2	2.3	"	"	Age	"
2	211cm	"	"	Age	11/10
2	211cm	"	"	Nanno	"
1	20cm	Hampton	"	Water cont.	"
1	70cm	"	"	"	"
1	120cm	"	"	"	"
2	175cm	"	"	"	"
2	205cm	"	"	"	"

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°42.67'
 LONGITUDE -124°31.48'
 STATION NO. 102
 LINE NO. E55A

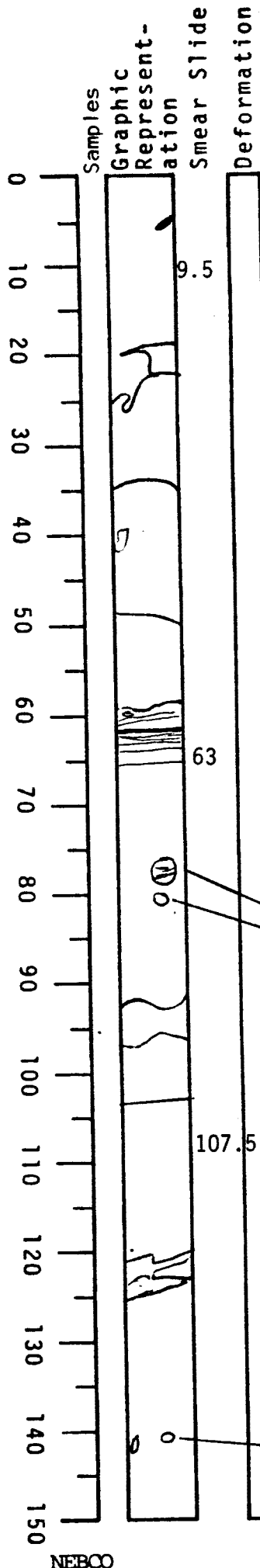
DAY/MONTH/YEAR
 DATE 6/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
102G	444m	3m		

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.		
S	1	2	7	8	N	C			1	0	2	G		1
								STATION#				OBSERVER		
												SHC		



0-33- Clay, silty, olive gray (5Y3/2), slightly micaceous, Spiral gastropod at 6cm, bioturbated flat. lam. (1cm), 31-34 cm. Burrow filling 18-22 cm Clay sandy olive black (5Y2/1), Micaceous, unident. vegetable matter, possible contact, bioturbated, 21-24 cm.

-Contact 33-34 cm.

33-49 cm - Clay, olive gray, (5Y 3/2) broken mollusc at 41 cm, bioturbated, rather homogeneous

-Contact (?) 49 cm.

49-61- clay, silty, olive gray (5Y3/2) to olive black (5Y2/1), extensively bioturbated, micaceous

-Contact (?) 61 cm.

61-105-Clay, olive gray (5Y3/2) dark gray N3. Ext. bioturbated, wood frag. 77.5 cm; mollusc frags 77.5cm; shale frag 80 cm; burrow filling 93-96 cm composed of mixture of shell fragments and wood fragments.

wood 77.5 cm-
shale frag-80 cm.

-color chg. 105cm-contact (?)

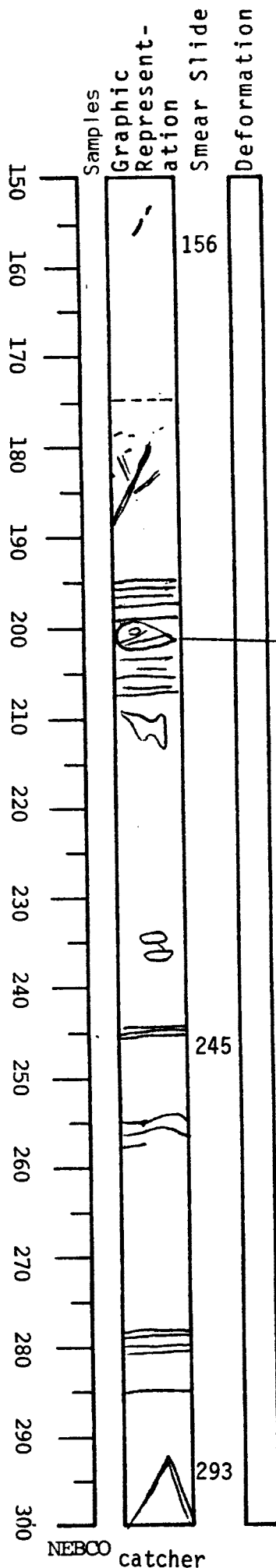
Clay, slightly silty, olive gray (5Y3/2), extensively bioturbated. Burrow fillings 120-125 cm olive black (5Y2/1) micaceous silty clay. Interval cont. scattered fine shell fragments

wood

scaphopod 142 cm.

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.					SEC.		
S	1	2	7	8	N	C			1	0	2	G		2
							STATION#					OBSERVER		
								1	0	2	SCH			



Clay, slighty silty, olive gray (5Y3/2), extensively bioturbated, esp. in interval from 178-188 cm. flat lamination (laminae ~ 0.5cm) interval 194-200cm. Other exceptions noted at left.

burrow filling flat lam.
198-202(194-200 burrowed in lower part.)

Possible contact 205 cm.

Possible contact 256-257 cm. disrupted flat lamination?
burrows? dark black (5Y2/1) silty clay.

Possible contact 281 - disrupted flat lam? burrows?
dark black (5Y2/1) silty clay.

SAMPLE LOG

LOCATOR: S12-78-NC

SAMPLE NO: 102G

STATION NO: 102

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
CC		Field	USGS	Age	11/9
CC		Field	"	Nanno	
1	5-10	"	"	Text	11/10
1	5-10	"	"	Age	"
1	5-10	"	"	Mineral	"
1	76-77	Field	"	C'4	"
1	94-96	"	"	C'4	"
2	300cm	"	"	Age	11/10
2	300cm	"	"	Nanno	"
1	15cm	Hampton	USGS	Water cont.	11/17/78
1	65cm	"	"	"	"
1	115cm	"	"	"	"
2	1165cm	"	"	"	"
2	215cm	"	"	"	"
2	290cm	"	"	"	"

USGS STATION LOG

SHIP / LEG S12-78- NC
 LATITUDE 41°42.65'
 LONGITUDE -124°35.18'
 STATION NO. 103
 LINE NO. E55A

DAY/MONTH/YEAR
 DATE 6/Nov/78

TYPE OF STORAGE (check one)

☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
103G	595m	2.1m		
103G2	605m	3.5m		

REMARKS: CC in Plastic Bag-2 samples
 (G1&G2)

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.			SEC.				
S	1	2	-	7	8	N	C	1	0	3	G		1	
								STATION#			OBSERVER			
								1			0		3	SHC

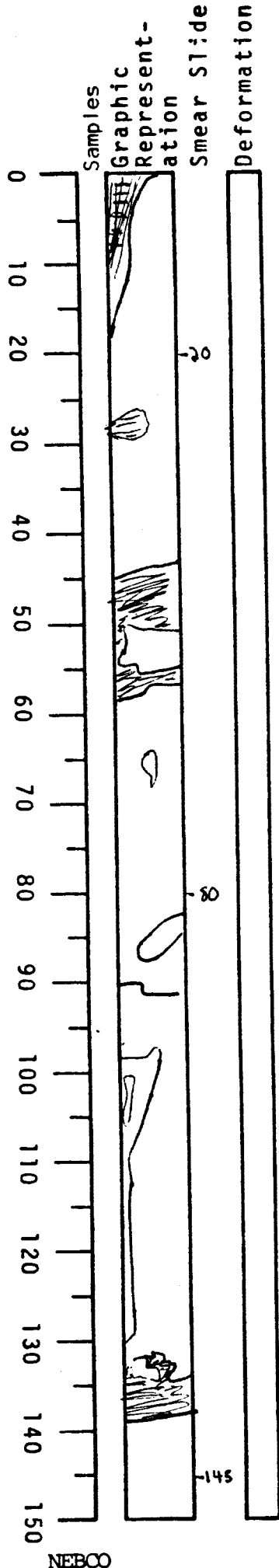
0-17 cm disturbed in coring, splitting

Clay slightly silty to clay, olive gray (5Y 3/2) bioturbated, fillings of large burrows at 44-49 cm, 53-57 cm, mottled zone from 90-105 cm, 135-138 cm, a mixture of above and clayey silt, olive black (5Y 2/1) Occ. shell fragments, no visible contacts, possible burrows at 64-68 cm and 83-86 cm, filled with olive gray silty clay, very slightly micaceous throughout

Section 1 - 150 cm

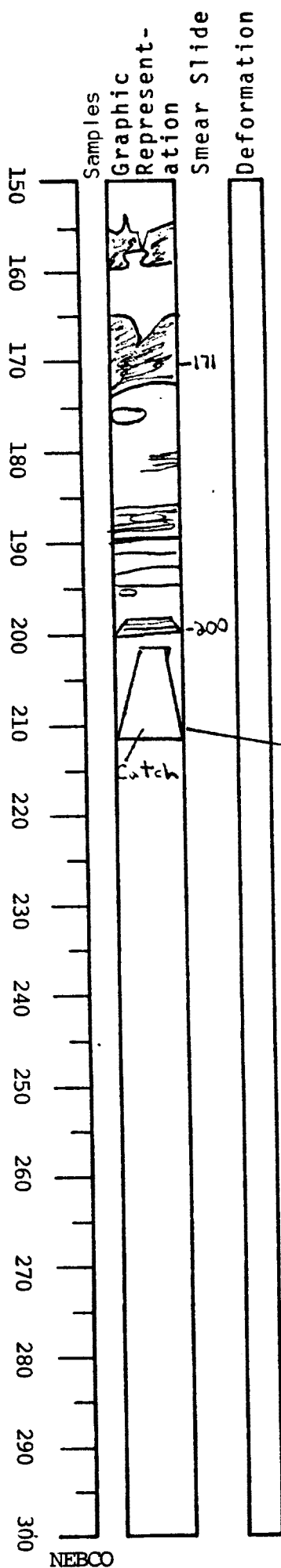
left side, interval 97-128 cm, liquified silty clay or empty - water bubble in core tube?

126 cm - abraded pelecypod fragment, 0.5-1.0 cm



VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	2		7	8	N	C		1	0	3	G	0	2
								STATION#				OBSERVER		
												SHC		



Contact (?)
159cm.

Contact (?)
172-175cm.

Contact (?)
189cm.

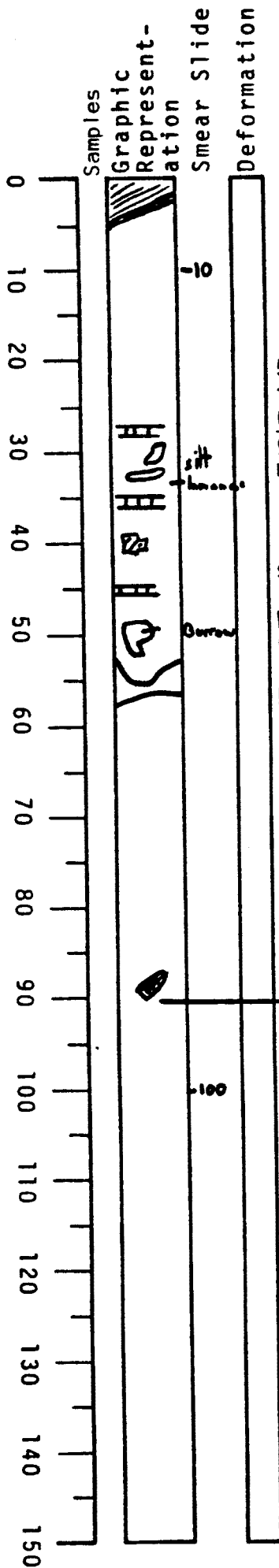
Contact (?)
200cm.

Sec. 2-62cm.
Bottom 212cm. Total core length 212cm.

clay, slightly silty, olive gray (5Y3/2), mottled olive black (5Y2/1) clay silt laminated in lower part (below contact (?) at 189cm), with indiv. laminae 0.2-1 cm thick. Appears bioturbated. In upper part though less than in Sec. 1 of core. Dark intervals above contacts(?) At 159 and 172-173, and 189 and 200, may be graded, as they're definitely coarser than material underlying contact(?) and appear coarser than material higher in interval. Slightly micaceous throughout, but mica appears conc. in base of dark zone above contacts. (?)

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2		7	8	N C	1	0	3	G	2	0 1
SECTION 1							STATION#				OBSERVER	
							1	0	3		MEF	



0-5cm. empty

5-53cm. Surface unit- upper 10 cm softer and more disturbed than below, but no distinct break 10Y4/2 grayish olive Clayey silt, massive in appearance with thin laminae of gray silt at 29, 37, 45cm. Base of unit's concave up and makes a basic change. Articulated bivalves (3cm) at 31 and 34 cm.

53-330 cm. 5YR-N4 Gray clayey fine silt with burrows of cse. silt & fine sand, and graded silty sand layers.

Wood frag. at 324 cm- sampled for C¹⁴; shells occur at 98 (gastropod) 172 (gastropod) and 253 (fragment)

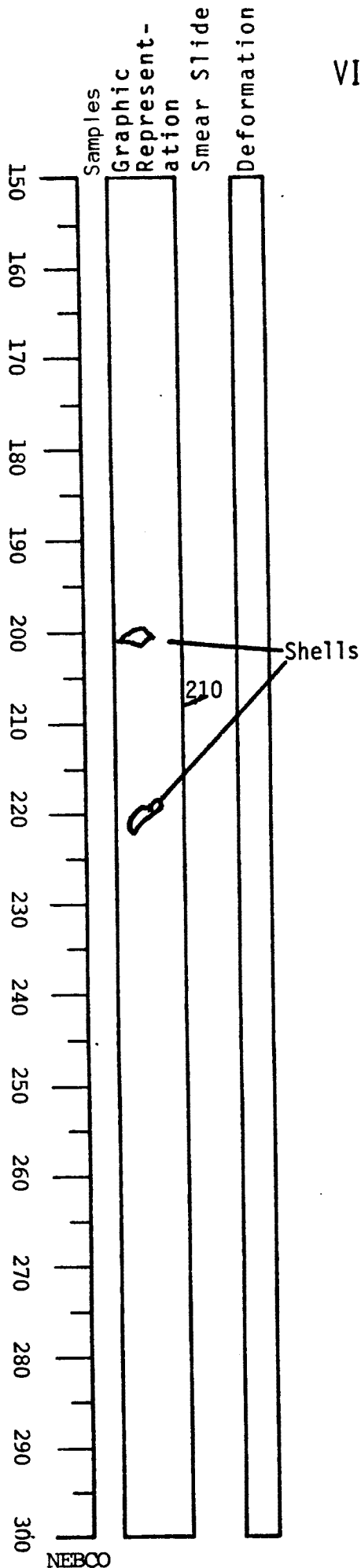
Burrows are most distinct where rimmed with silt/sand layers. Burrowed zones occur at 68-84, 88-112, 164-168

Distinct sand layers occur at 164-168, 175-181, 188-191, 240-242, 249-258, 275-295, 300-310

Gastropod

VISUAL CORE DESCRIPTION

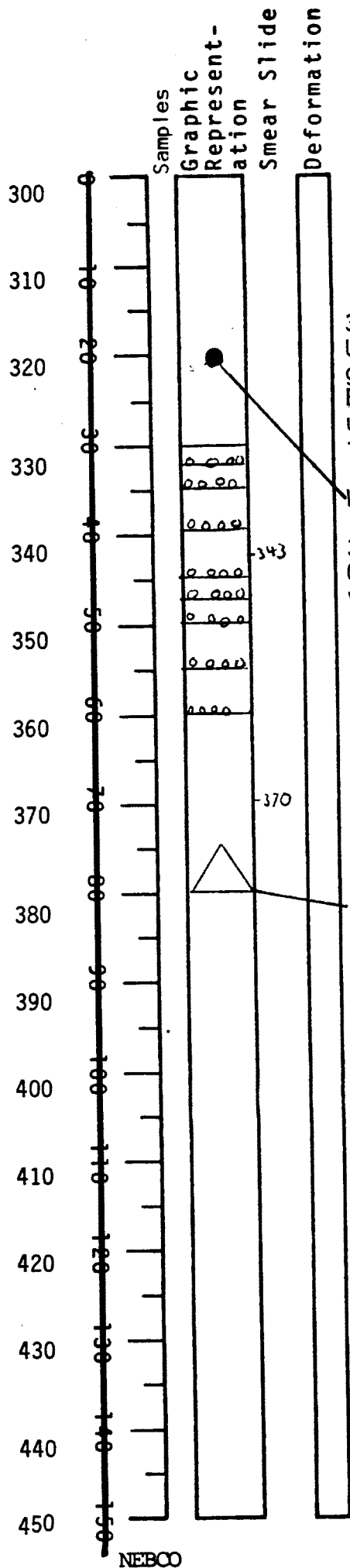
LOCATOR								SAMPLE NO.				SEC.		
S	1	2		7	8	N	C	1	0	3	G	2	0	2
STATION#										OBSERVER				
1 0 3										MEF				



SEE COMNTS. IN SECT. 1

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.		
S	1	2		7	8	N	C	1	0	3	G	2	0	3
								STATION#			OBSERVER			
									1	0	3	MEF		



330- 359 cm.

Unit is composed of at least 10 and maybe more, gray graded beds exhibiting various degrees of bioturbation. Base of each unit is fine sand to cse. silt & grades up to v. clayey fine silt. Max. thickness is 4 cm., min. is 1 cm. Basal contact is sharp

Wood frag.

359-382 cm.

Greenish gray v. fine silt, with a few thin laminae of v. fine sand/cse. silt

Bottom of core

SAMPLE LOG

LOCATOR: S12-78- NCSAMPLE NO: 103G2STATION NO: 103

Bottom

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
CC		Field	USGS	Age	11/9
CC		"	"	Nanno	"
1	15-18 cm.	"	"	Age	"
1	15-18 cm.	"	"	Texture	"
1	15-18 cm.	Wong	"	Minnaology	"
3	375 cm.	Field	"	Age	"
3	375 cm.	"	"	Nanno	"
3	330 cm.	"	"	C ¹⁴ Dating	"
1	25 cm.	Hampton	USGS	Water cont.	11/17/78
1	75 cm.	"	"	"	"
1	125 cm.	"	"	"	"
2	175 cm.	"	"	"	"
2	225 cm.	"	"	"	"
2	275 cm.	"	"	"	"
3	325 cm.	"	"	"	"
3	365 cm.	"	"	"	"

USGS STATION LOG

SHIP / LEG S12- 78- NC
 LATITUDE 41°42.55'
 LONGITUDE -124°38.94'
 STATION NO. 104
 LINE NO. E55A

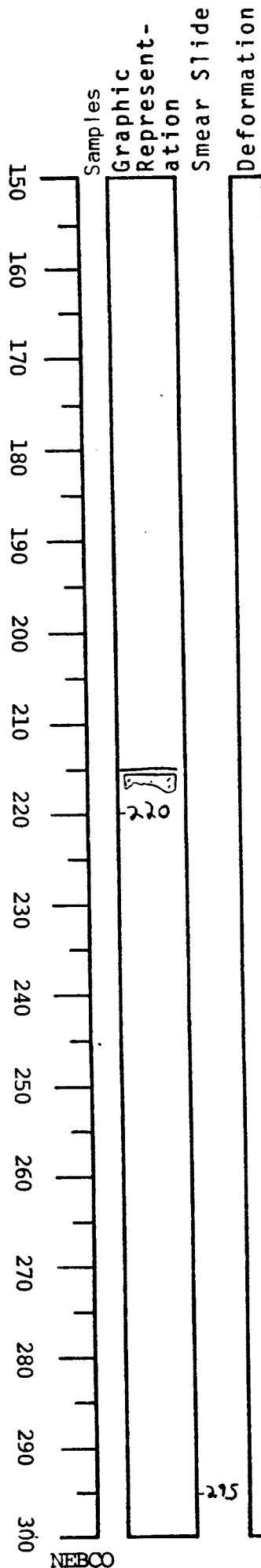
DAY/MONTH/YEAR
 DATE 6/Nov/ 78
 TYPE OF STOPAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
104G	727m	~3.5m		

REMARKS: Core catcher in plastic bag

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.		
S	1	2	-	7	8	N	C			1	0	4	0	2
								STATION#				OBSERVER		
									1	0	4	MEF		



215-380 cm.

Major unit characterized by slightly greenish gray clayey silt containing laminae, layers, lens and pods of v. cse. silt and fine sand (gray undisturbed graded beds occur at: 286 to 289, 299-305, 356-361, 366-369, 370-372)

Lenses & pods of sand have v. uneven bases & sides. Either from erosion or maybe probable, loading

358cm.

360cm.

218cm.

221cm.

WOOD FRAG. AT 290

SAMPLE LOG

LOCATOR: S12-78-NC

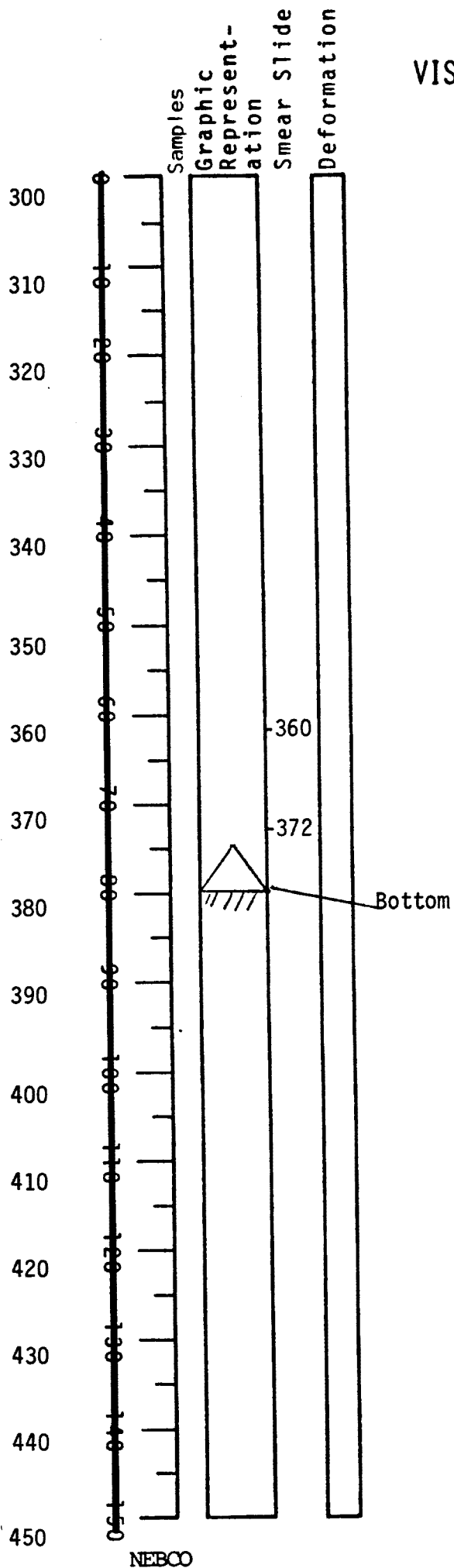
SAMPLE NO: 104G

STATION NO: 104

Bottom

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
CC		Field	USGS	Age	11/9
CC		"	"	Nanno	"
1	12 cm.	"	"	Age	"
1	12 cm.	"	"	Texture	"
1	12 cm.	Wong	"	Mineral	"
3	375 cm.	Field	"	Age	"
3	375 cm.	"	"	Nanno	"
1	35 cm.	Hampton	"	Water Cont.	11/17/78
1	85 cm.	"	"	"	"
1	135 cm.	"	"	"	"
2	185 cm.	"	"	"	"
2	235 cm.	"	"	"	"
2	282 cm.	"	"	"	"
3	330 cm.	"	"	"	"
3	362 cm.	"	"	"	"

VISUAL CORE DESCRIPTION



LOCATOR								SAMPLE NO.				SEC.		
S	1	2	7	8	N	C				1	0	4	0	3
								STATION#				OBSERVER		
									1	0	4	MEF		

USGS STATION LOG

SHIP / LEG S12-78- NC
LATITUDE 41°42.7'
LONGITUDE -124°43.4'
STATION NO. 105
LINE NO. E55A

DAY/MONTH/YEAR
DATE 7/Nov/78

TYPE OF STORAGE (check one)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

DRY COLD FROZEN

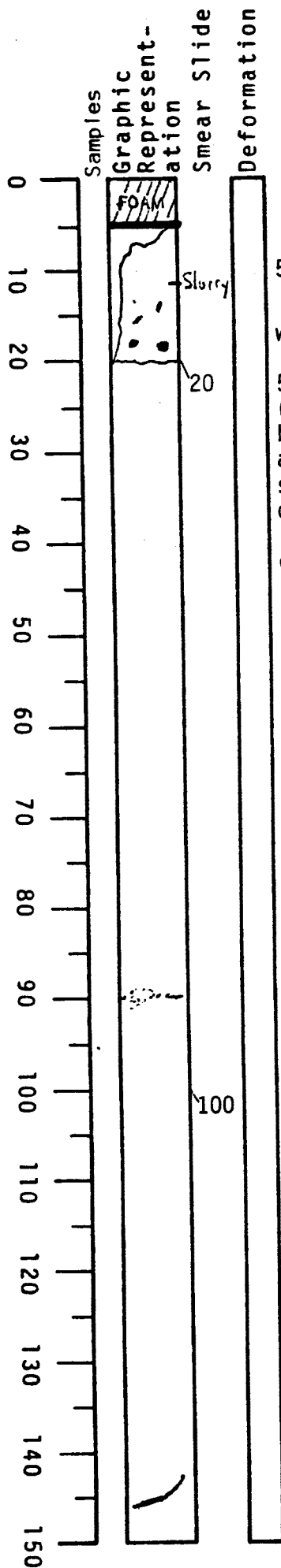
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
105 G	830m	2.7m	Mud	

REMARKS:

2 sections
Core catcher in bag

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	0	5	G	01
							STATION#				OBSERVER	
							1	0	5		WCR	



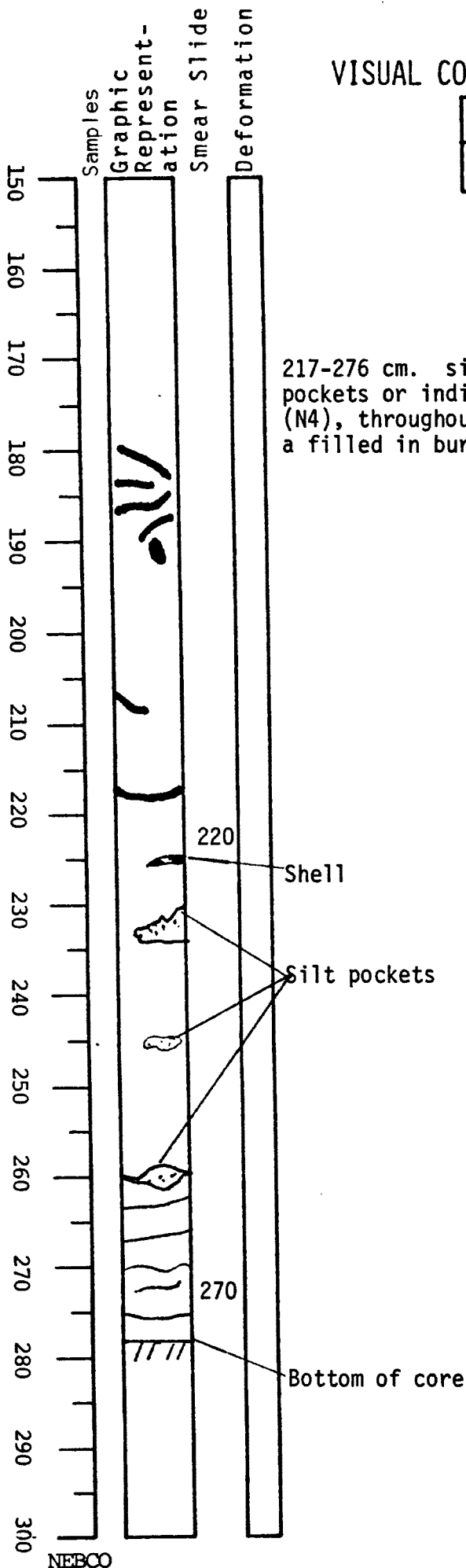
5- 20 cm. slurry

wood (?) chips

5-217 cm. slightly silty clay; grayish olive green (5 GY 3/2); upper 20 cm. soupy and disturbed but no distinct break with lower unit; homogenous (massive) wisps of silt at 145, 152, and 180 cm to base of unit; sand or fractured shell frag. at 91 cm; wood chips(?) or other soft black organic material (1 cm. dia.) in upper 20 cm. of section (in soup matrix) and at 191 cm; lower contact, based on color change is concave upward.

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.					SEC.	
S	1	2	7	8	N	C		1	0	5	G	0	2
							STATION#				OBSERVER		
								1	0	5	WCR		



SAMPLE LOG

LOCATOR: S12-78-NC

SAMPLE NO: 105G

STATION NO: 105[illegible]

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°42.8'
 LONGITUDE -124°49.0'
 STATION NO. 106
 LINE NO. E55A

DAY/MONTH/YEAR
 DATE 7/Nov/78

TYPE OF STORAGE (check one)

☐ DRY ☒ COLD ☐ FROZEN

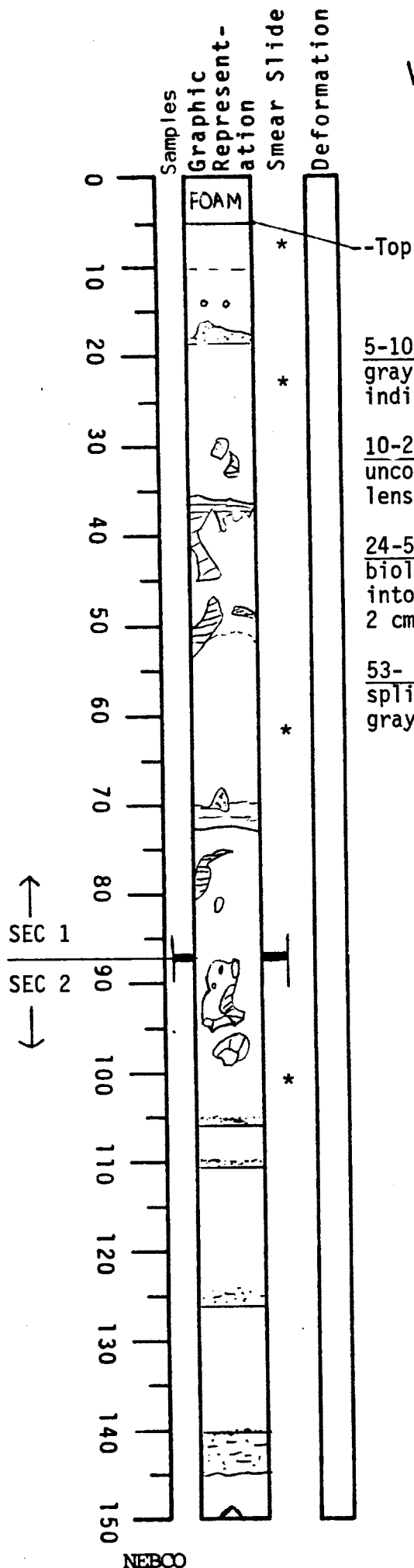
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
106G	865m	~ 1.4m		

REMARKS: Core in two sections; core seperated in liner during pull out, so gap in liner was cut out.

Core catcher sample in bag

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.			SEC.
S	1	2	7	8	N	C	1	0	6	G
							STATION#			OBSERVER
							1	0	6	FLW



5-10 cm. olive gray 5Y3/2 with mottlings of light olive gray 5Y5/2 clay with high moisture content. Lower contact indistinct

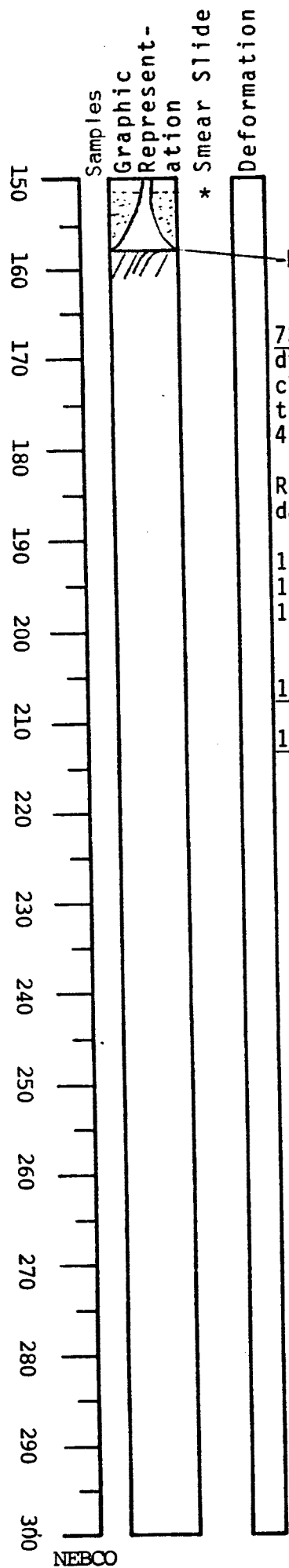
10-24 cm. grayish olive 10Y4/2 clay; homogenous; 2 uncollapsed burrows at 14 cm. dark gray (N4) sandy lens marks lower contact at 21-24 cm.

24-58 cm. Grayish olive 10Y4/2 strongly bioturbated clay; biologic activity introduced silty dark gray material into burrow (20% of area); lower contact not distinct; 2 cm. rock frag. at 35 cm.

53- 73 cm. Grayish olive 10Y4/2 (tension cracks from splitting) homogeneous clay; basal 1 cm. layer of dark gray silt or sand; rock frag. (2 3 cm.) at 70 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	0	6	G		
STATION#										OBSERVER			
1 0 6										FLW			



Bottom 158

73-106 cm. grayish olive 10Y4/2 and dark N3; (highly disturbed by splitting); gravelly unit with matrix of clay and silty (dark gray) pockets; too disturbed to distinguish structure: sampled largest fragments (9 cm. and 4 cm. diam.)

RF: light gray siltstones or ss; subangular; bored RF are about 40% volume of unit; lower contact marked by dark gray silty bed

106-111 cm. } Grayish olive clay units floored by dark
111-126 cm. } gray silty units; latter occurs at 109-111,
126-145 cm. } 125-126, and thickest at 140-145; (disturbed by splitting)

145-152 cm. pale olive 10Y6/2 clay

152-158 cm. dark gray silty clay

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°42.8'
 LONGITUDE -124°53.8'
 STATION NO. 107
 LINE NO. E55A

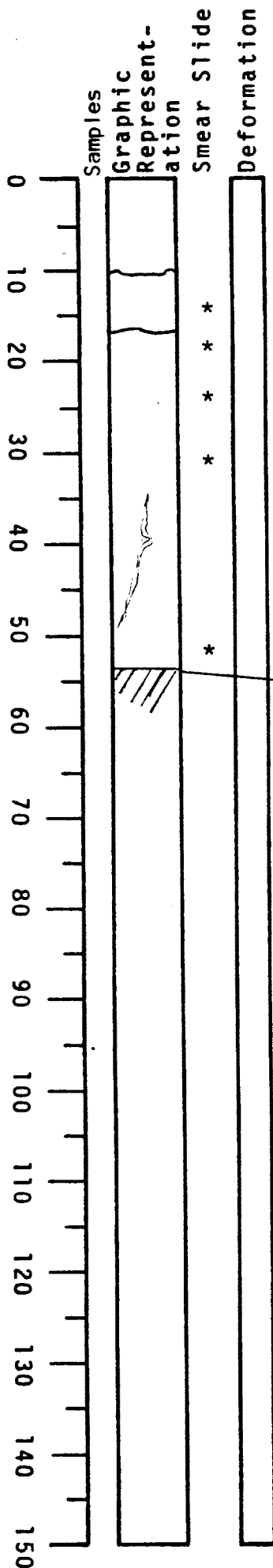
DAY/MONTH/YEAR
 DATE 7/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
107G	818m	~ .53		

REMARKS: Short core, catcher full of hard mud
 Core catcher sample in bag

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.		
S	1	2	7	8	N	C			1	0	7	G	0	1
filler								STATION#				OBSERVER		
									1	0	7	GT		



0-11 cm. Core filler

11-17 cm. Very sandy mud. Olive Gray 5Y3/2. Mottled bioturbation. Yellowish Gray 5Y7/2

17-21 cm. Sandy mud; Grayish olive green 5GY3/2

21-28 cm. Sandy silt pale olive 10Y6/2 w/some grayish olive mottling toward bottom of section. No visible bedding.

11-28 cm. has higher water content than lower section of core

28-53 cm. Very fine sandy silt. Grayish olive 10Y4/2 mottled dark gray toward top. Worm burrow running from 36-48 cm.

Bottom of core 53 cm.

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°42.01'
 LONGITUDE -124°54.22'
 STATION NO. 108
 LINE NO. E55A

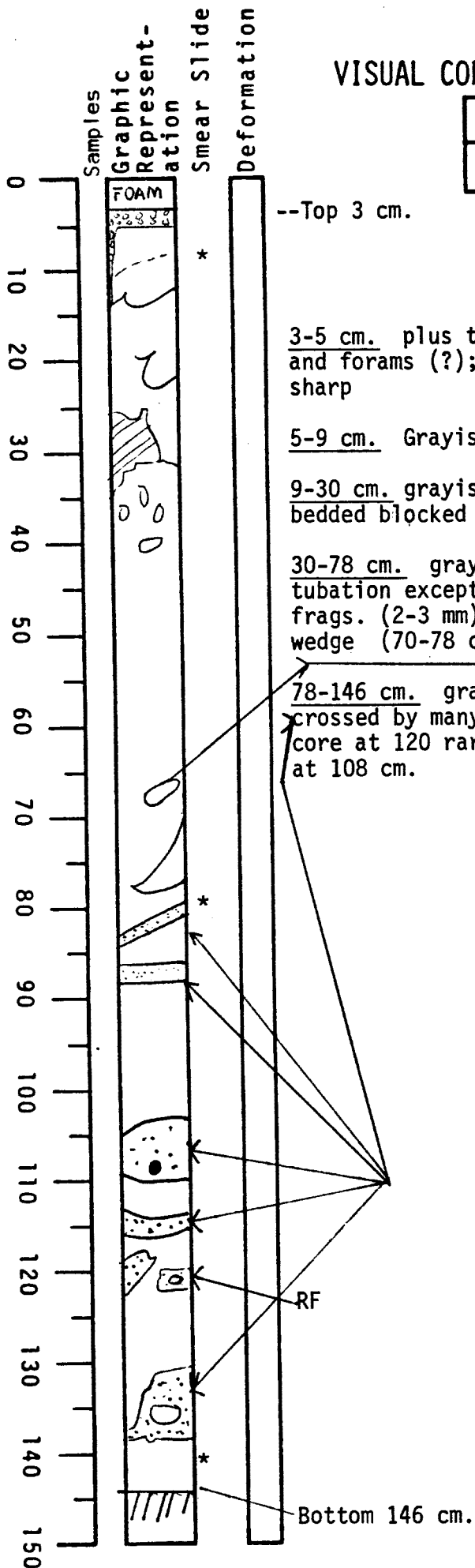
DAY/MONTH/YEAR
 DATE 7/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (C4)	BASIC LITHOLOGY	REMARKS
108G	752m	1.45m		

REMARKS: Core in one section
 Core cutter sample in bag

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.					SEC.		
S	1	2	7	8	N	C			1	0	8	G		1
							STATION#				OBSERVER			
								1	0	8	FLW			



SAMPLE LOG

LOCATOR: S12-78-NC

SAMPLE NO: 108G

STATION NO: 108

[illegible]

Base:

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°43.00'
 LONGITUDE -124°54.97'
 STATION NO. 109
 LINE NO. E55A

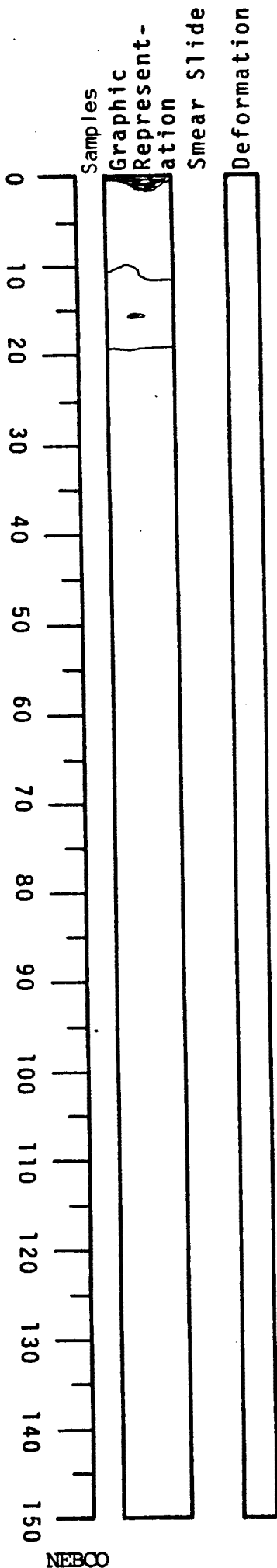
DAY/MONTH/YEAR
 DATE 7/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
109G	847	18 cm.		

REMARKS:
 Core in one section
 Core catcher sample in bag
 Core cutter sample in bag

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.			
S	1	2	-	7	8	N	C		1	0	9	G		1	
								STATION#				OBSERVER			
								1				0		9	SHC



Bottom at 18 cm

Clay, grayish olive (10Y 4/2) oxidized olive brown in upper 10 cm. Pelletal material (glauconite?) olive black (5Y 2/1) scattered throughout. Mollusc (separate container) at 15 cm. 2 rocks, 1 - 2x3 cm, 1 - 1x1.5 cm, from 3-5 cm interval of working half. Rocks appear to be nodule, phosphatic (?) mod. brown (5YR 4/4) on fresh surface, subangular, rocks in separate container.

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°42.75'
 LONGITUDE -124°56.03'
 STATION NO. 110
 LINE NO. E55A

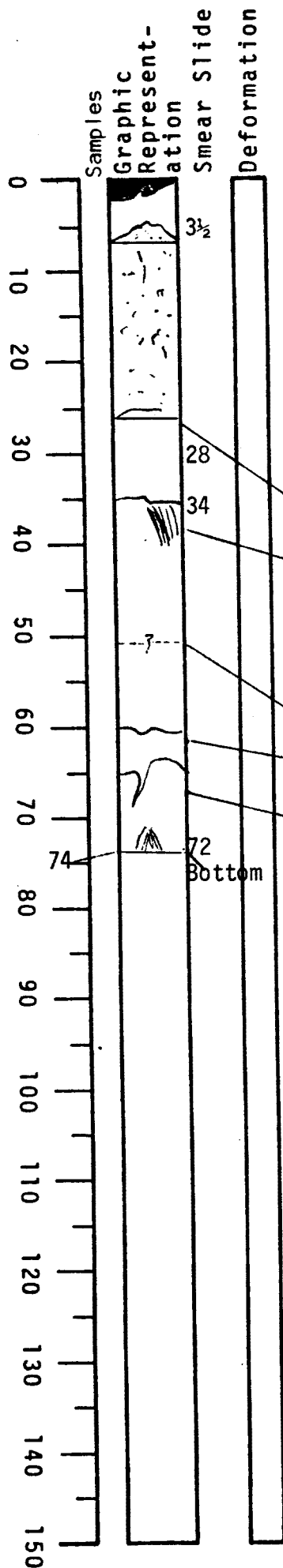
DAY/MONTH/YEAR
 DATE 7/Nov/78
 TYPE OF STOPPAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
110G	1005m	.5m		

REMARKS: Core in one section
 Core catcher sample in bag

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	2	7	8	N	C			1	1	0	G	0	1
								STATION#			OBSERVER			
									1	1	0	SHC		



Contact

0-7½ cm. Clay mod. olive brown (5Y4/3) w/abund. of bk. (5Y2/1) glauconite fragments, .5mm-2mm. Lens 3 cm. thick of shale frags. at base of interval.

7½-26 cm. Clay, dark greenish gray (5GY4/1), abund. forams. Extensively bored, w/burrow fillings olive black (5Y2/1) silty sand (glauconite?)

Contact 26 cm.

Contact 35 cm.

26- 35 cm. Sand, ol. gray(5Y3/1) to ol. black(5Y2/1) med. gr., silty, w/isolated patches of clay. Sharp lower contact

Contact (?) 51 cm.

Contact (?) 60 cm.

Contact (?) 65 cm.

35-51 cm. Mottled, extensively bioturbated, description as for 51-74 below.

51-74 cm. Sand, fine, silty, ol. gray(5Y3/1)., abund. glauconite (?) w/variety of mineral grains w/occ. streaks and patches of clay silty dk. greenish gray (5GY4/1) throughout, extensively bioturbated.

(

(

(

C

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°35.72'
 LONGITUDE -124°44.08'
 STATION NO. 111
 LINE NO. E63

DAY/MONTH/YEAR
 DATE 7/Nov/78

TYPE OF STORAGE (check one)

☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
NR				

REMARKS: Attempted water bottle station;
 Winch problems

USGS STATION LOG

SHIP / LEG S12-78-NC
LATITUDE 41°35.86'
LONGITUDE -124°31.64
STATION NO. 112G
LINE NO. E63

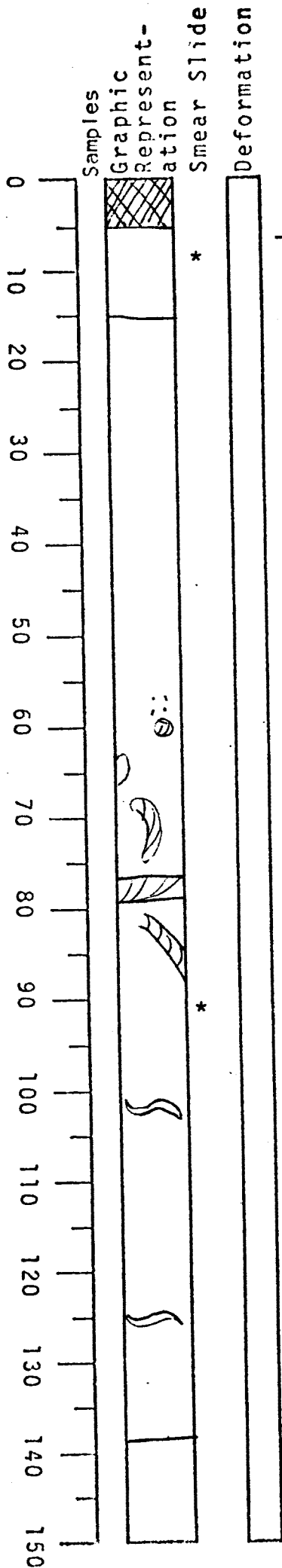
DAY/MONTH/YEAR
DATE 7/Nov/78
TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
112G	505m	1.87m	Mud	

REMARKS: 2 sections
Core catcher in bag

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	1	2	G	0	1
										STATION#		OBSERVER	
										1 1 2		FLW	



-top of core 5 cm.

5-15 cm. soupy material; mixed during coring

15-79 cm. olive gray 5Y3/2 silty clay; upper contact gradational betw. soupy mud on top and rigid stuff below Bioturbated; worm burrowed shell frags. at 60 cm; 60-80 cm. several large worm burrows; Dim: Water content diminishes down core. 15-60 cm. homogeneous w/o specific indication of bioturbation. Lower contact sharp defined by change in color.

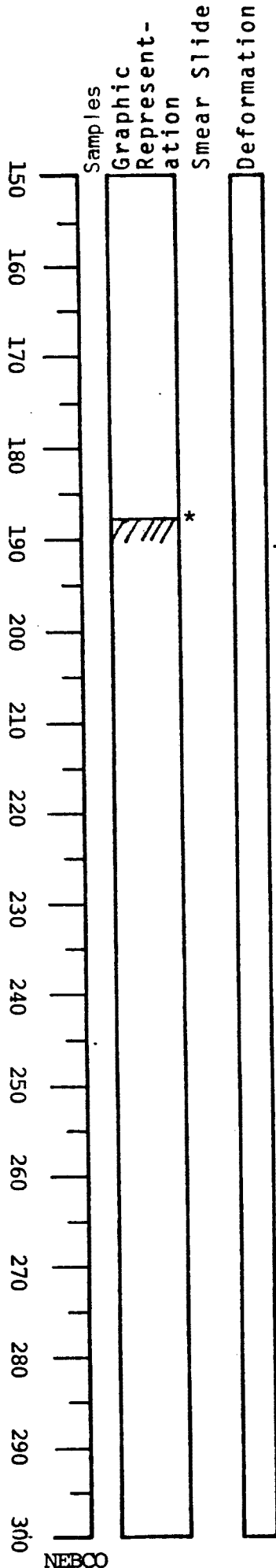
79-139 cm. olive gray 5Y3/2 81-86 cm. worm burrow. 104 shell frag. worm burrow; few wispy lenses w/in unit (103, 126) Cut surface texture rougher than 15-79 cm. unit silty clay

139-187 cm. olive gray 5Y3/2 also silty clay; drier cut surface; mica flecked

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.		
S	1	2	7	8	N	C		1	1	2	G		0	2
								STATION#				OBSERVER		
								1	1	2	FLW			

139-187 cm. (cont'd)
May contain forams



-Bottom of core 187 cm.

SAMPLE LOG

LOCATOR: S12-78-NC

SAMPLE NO: 112G

STATION NO: 112

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	16-21 cm.	Wong	USGS	Mineral	11/8/78
1	"	Field	"	Age	"
1	"	"	"	Texture	"
CC		Field	"	Nanno	"
CC		Field	"	Age	"
2	185-186 cm.	"	"	Age	11/10
2	"	"	"	Nanno	"
1	25 cm.	Hampton	"	Water content	11/17/78
1	75 cm.	"	"	"	"
1	125 cm.	"	"	"	"
2	175 cm.	"	"	"	"

USGS STATION LOG

SHIP / LEG S12-78-NC
LATITUDE 41°30.52'
LONGITUDE -124°30.52'
STATION NO. 113
LINE NO. Transit

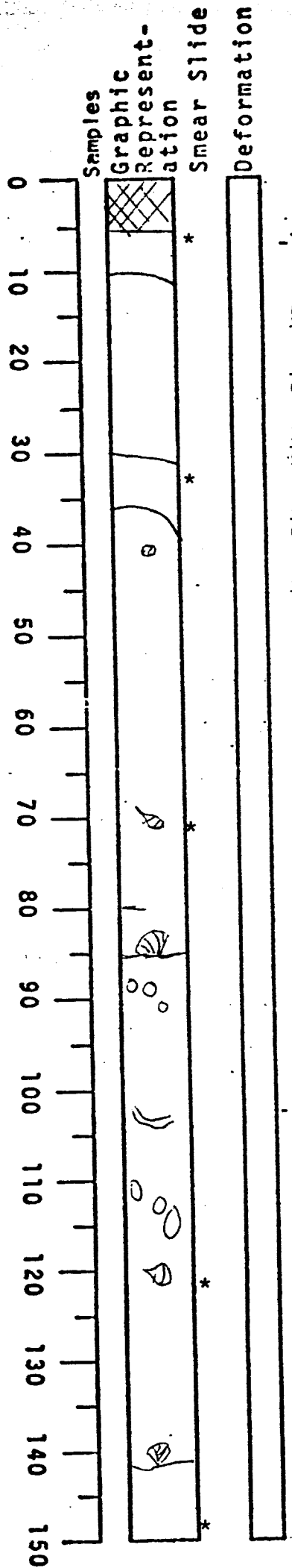
DAY/MONTH/YEAR
DATE 7/Nov/78
TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
113G	405m	2.1m		

REMARKS: Core in two sections
Core catcher sample in bag.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.		
S	1	2	7	8	N	C		1	1	3	G		0	1
STATION#										OBSERVER				
1 1 3										FLW				



-Top of core 5 cm.

5-10 cm. olive gray 5Y3/2 soupy clay disturbed during coring

10-30 cm. olive gray 5Y3/2 homogeneous silty clay; disturbed during split

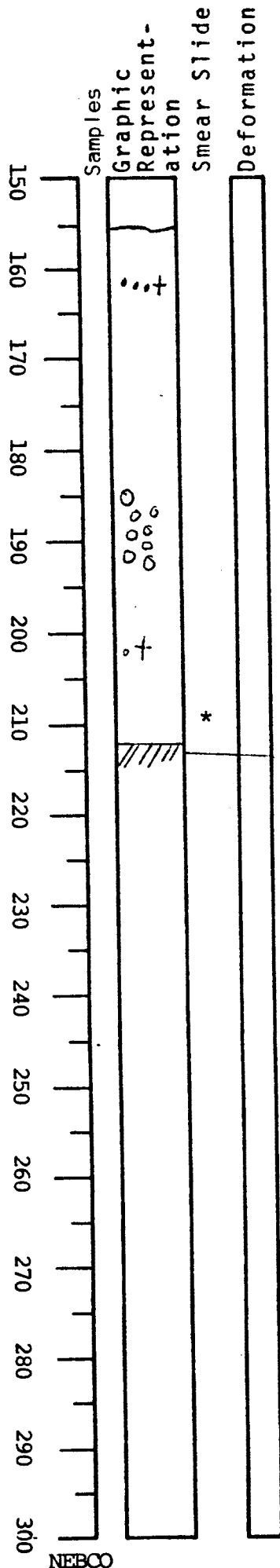
30-36 cm. olive gray 5Y3/2 soupy silty clay almost like surface material but well separated from it.

36-84 cm. olive gray 5Y3/2 clay; less silt content than above; occasional worm burrows (40,70,ect.); 2 cm. shell at 84 cm.

84-140 cm. olive gray 5Y3/2 silty clay. Densely burrowed; burrows 1 cm. in diameter X-sect. & long sections; 2 cm. shell at 140 cm

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C	1	1	3	G	0	2
STATION#										OBSERVER		
1 1 3										FLW		



140-155 cm. olive gray 5Y3/2 silty clay, burrows absent homogeneous; sharp contact w/higher horizon

155-212 cm. olive gray 5Y3/2 silty clay; turritella (t); abundant burrows, esp. around 190 cm.

-Bottom of core 212 cm.

SAMPLE LOG

LOCATOR: S12-78-NCSAMPLE NO: 113GSTATION NO: 113

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	11-13 cm.top	Field	USGS	Age	11/8
1	11-13 cm.	"	"	Texture	"
1	"	Wong	"	Mineralogy	"
CC		Field	"	Nanno	"
CC		"	"	Age	"
1	85 cm.	"	"	Shell frag.	"
2	210	"	"	Age	11/10
2	210	Field	"	Nanno	"
1	34 cm.	Hampton	"	Water cont.	
1	40 cm.	"	"	"	"
1	90 cm.	"	"	"	"
1	145 cm.	"	"	"	"
2	195 cm.	"	"	"	"

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°19.27'
 LONGITUDE -124°29.6'
 STATION NO. 114
 LINE NO. Transit

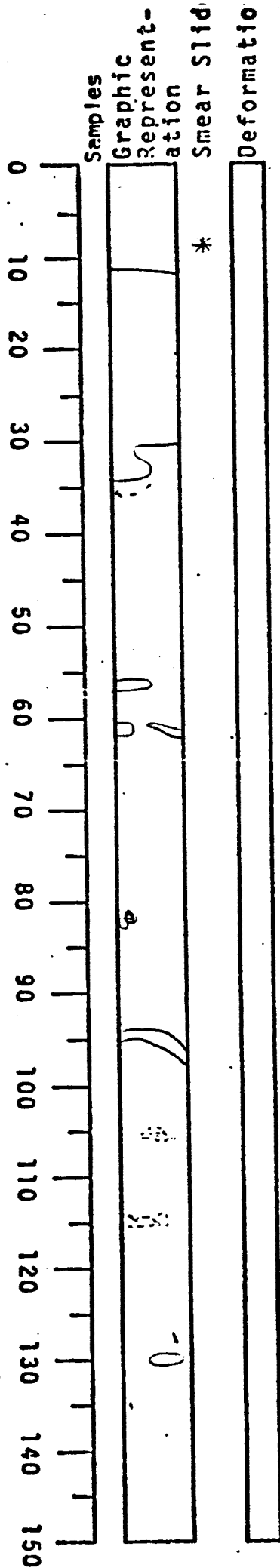
DAY/MONTH/YEAR
 DATE 7/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
114G	427m	2.1m		

REMARKS: Core in two sections
 Core catcher sample in bag

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C	1	1	4	G	0	1
								STATION#		OBSERVER		
								11		4 WCR		



0-4 cm. Foam filler

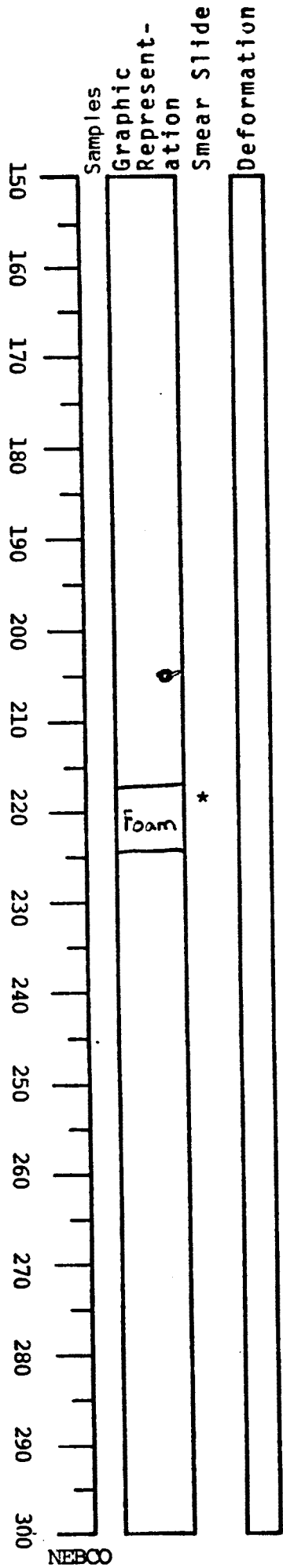
4-11 cm. silty clay; soupy; grayish olive green (5GY3/20; scattered shell fragments (< 1%) <1mm length, wispy lenses of silt (40%), olive gray (5Y3/2); bottom contact indistinct

11-34 cm. clayey silt (50%) to very fine sandy silt (10%), olive gray(5Y3/2) with crudely defined layers (<5mm thick) of silty clay, grayish olive green (5GY3/2); most "beds" lenticular and do not extend across core; lower contact sharp but irregular. Possible burrows(?) near contact (31-34cm

34-218 cm. silty clay; olive gray (5Y3/2) highly bioturbated; burrow X-sections oval-shaped (~5x10 mm); larger burrows (up to 2 cm. dia.) at 57-60, 95, 130, and 180-185 cm: shell hash with frag. <1mm length at 37, 83, 105, 116, and 205 cm.; no bedding observed

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C	1	1	4	G	0	2
							STATION#			OBSERVER		
							1	1	4	WCR		



NEBCO

SAMPLE LOG

LOCATOR: S12-78-NCSAMPLE NO: 114GSTATION NO: 114

BASE

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	33-35 cm.	Wong	USGS	Mineralogy	11/8
1	"	Field	"	Texture	"
1	"	Field	"	Age	"
CC		"	"	Age	"
CC		"	"	Nannos	"
1	12-15 cm.	Field	"	Texture	11/9
1	"	Wong	"	Mineral	"
1	"	Field	"	Age	"
	216-218 cm.	"	"	Age	11/11
	"	"	"	Age	"
1	20 cm.	Hampton	"	Water cont.	11/17
1	70 cm.	"	"	"	"
1	110 cm.	"	"	"	"
2	170 cm.	"	"	"	"
2	205 cm.	"	"	"	"

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°50.40'
 LONGITUDE -124°26.94'
 STATION NO. 115
 LINE NO. Transit

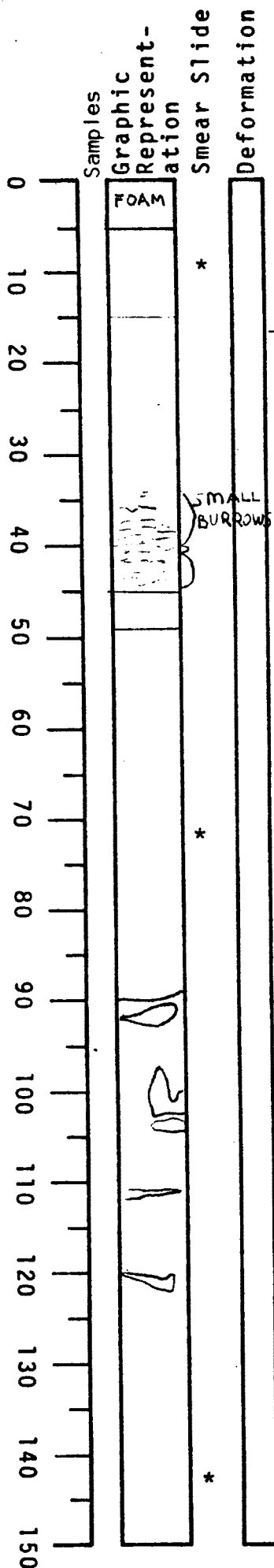
DAY/MONTH/YEAR
 DATE 7/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
115G	498m	1.8m		

REMARKS: Core in two sections
No core catcher sample

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	1	5	G	0	1
STATION#										OBSERVER			
1 1 5										WCR			



0-5 cm. Foam filler

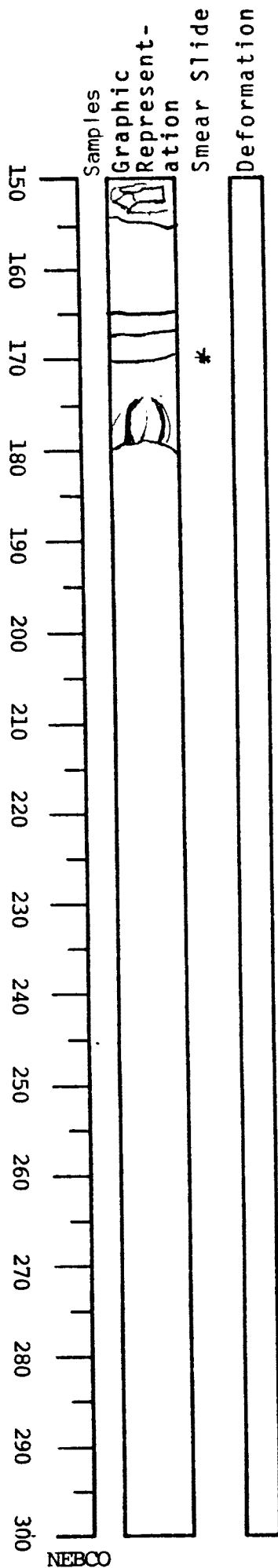
5-15 cm. Clay to silty clay;
olive gray (5Y3/2); very soupy; disturbed during splitting

15-90 cm. clay, olive gray(5Y3/2) highly bioturbated, large burrow (60-90 cm.) about 10-15 mm. dia. filled with slightly silty clay, series of small 1 mm. dia. x 10 mm. long burrows from 35-45 cm. interval; lower contact sharp--based on slight color change.

45-50 cm. disrupted during splitting

90-180 cm. clay, silty(?) grayish olive (10Y4/2); sediment is more rigid or less compacted than above unit, burrows over 10 mm. dia. filled with slightly darker clay; olive gray(5Y3/2); bioturbation increases at base of core; poorly defined shell hash(frag. 1mm dia.) or scattered shell parts at 90, 130, and 161 cm. crude layering in sed. at 160-180 cm.

VISUAL CORE DESCRIPTION



LOCATOR							SAMPLE NO.					SEC.		
S	1	2	7	8	N	C			1	1	5	G	0	2
							STATION#					OBSERVER		
								1	1	5	WCR			

55

SAMPLE NO: 115G

[illegible]

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 41°10.47'
 LONGITUDE -124°25.09'
 STATION NO. 116
 LINE NO. Transit

DAY/MONTH/YEAR
 DATE 7/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

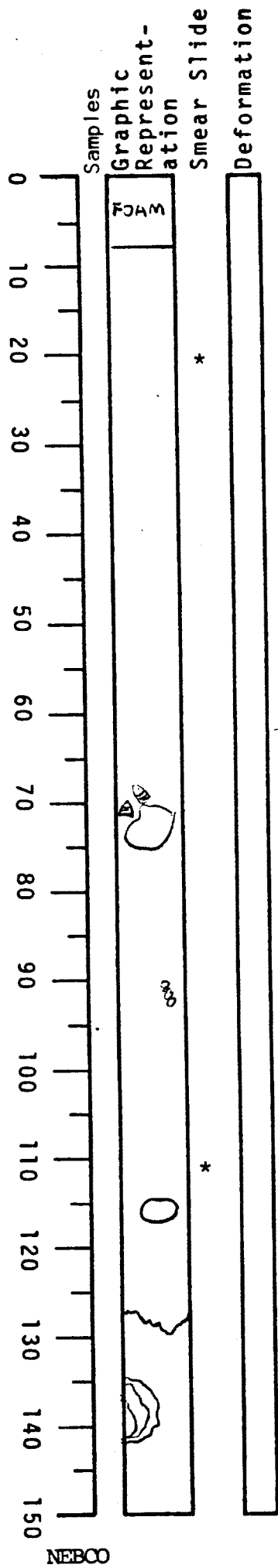
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
116G	500m	2.47m		

REMARKS:

Core in two sections
 Core catcher sample in bag.

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	1	6	G	0 1
STATION#										OBSERVER		
1 1 6 G										KOT		



0-7 cm. Foam filler

7-70 cm. Grayish olive (10Y4/1) silty clay; High H₂O content, slightly disturbed during splitting, this area highly mottled. Shell fragment at 70 cm.

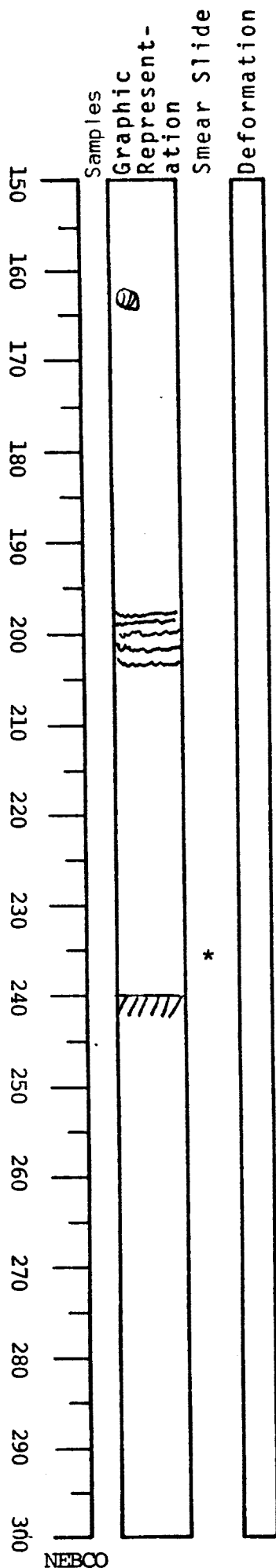
70-130 cm. Grayish olive (10Y4/2) silty clay, lower H₂O content, evidence of bioturbation ATVD burrow cavities at 74 cm. and 115 cm. Worm tubes at 90 cm and 119 and 122.

130-220 cm. Darker grayish olive silty clay, burrowing 130-145, and 198-202 cm. Gastropod at 166 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	1	6	G	0	2
								STATION#				OBSERVER	
								1	1	6	G	KOT	

130-220 cm. DESCRIPTION ON PREVIOUS PAGE



SAMPLE LOG

LOCATOR: S12-78-NCSAMPLE NO: 116STATION NO: 116G

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	12-18 cm.	Wong	USGS	Mineral	11/9/78
1	"	Field	"	Texture	"
1	"	"	"	Age	"
CC		"	"	Age	"
CC		"	"	Nanno	"
2	238-240 cm.	Tate	"	Age	11/11
2	"	"	"	Nanno	"
1	25 cm.	Hampton	"	Water cont.	11/17/78
1	80 cm.	"	"	"	"
1	130 cm.	"	"	"	"
2	180 cm.	"	"	"	"
2	235 cm.	"	"	"	"

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 40°52.20'
 LONGITUDE -124°28.23'
 STATION NO. 117
 LINE NO. E80A

DAY/MONTH/YEAR
 DATE 11/Nov/78

TYPE OF STORAGE (check one)

☐

DRY

☒

X

COLD

☐

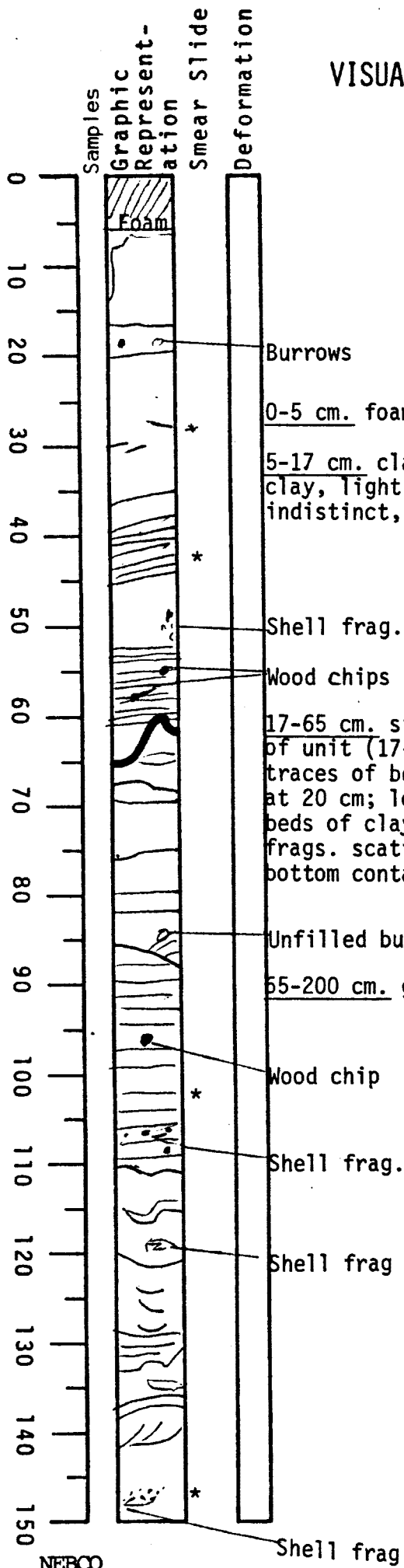
FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
117G	395m	2.10m		

REMARKS: Core in two sections
 Core catcher sample in bag

10-1 VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	1	7	G	0 1
							STATION#			OBSERVER		
							1	1	7	WCR		



Burrows

0-5 cm. foam filler

5-17 cm. clay; dusky yellow green (5Gy3/2) with streaks of clay, light olive gray (5Y3/2); soupy; massive; lower contact indistinct, based on color change.

Shell frag.

Wood chips

17-65 cm. silty clay, grayish olive green(5GY3/2); top half of unit (17-42 cm.) massive and appears to be well bioturbated; traces of bedding from 28-32 cm; few unfilled burrows (2mm dia at 20 cm; lower half of unit will bedded with thin (1-3mm thick beds of clayey silt, olive gray (5Y3/2) in above matrix, shell frags. scattered // to bedding; wood chips at 49, 52, 56 cm. bottom contact sharp, arcuate 60-65 cm.

Unfilled burrow

65-200 cm. good slump features

Wood chip

Shell frag.

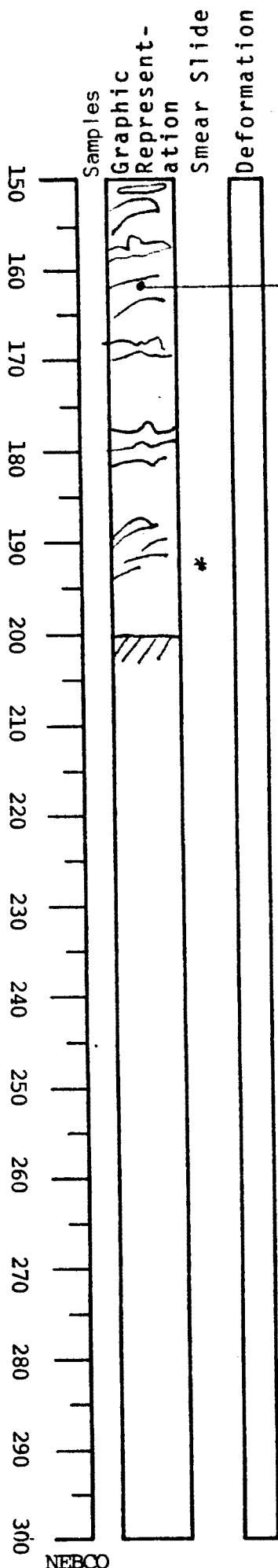
Shell frag

Shell frag

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.
S	1	2	7	8	N	C	1	1	7	G	02
							STATION#			OBSERVER	
							1	1	7	WCR	



Shell frag.

65-200 cm. silty clay; grayish olive green (5GY3/2); a series of massive, contorted or disturbed and well bedded units:

65-90 cm. contorted beds, many broken and discontinuous; some discontinuities caused by bioturbation at 85 cm.

90-111 cm. well bedded; wood chip at 97 cm. shell frag. // to bed at 106-108 cm. upper contact sharp and oblique; lower contact sharp and horizontal

111-140 cm. contorted beds; shell frag. at 118 cm; possible bioturbation at 130-140 cm. lower contact distinct (sharp)

140-150 cm. massive unit; shell frag. at 149 cm.

150-200 cm. highly contorted beds very similar to 111-140; shell frag. 160 & 196-200 cm; small sand lump at 170 cm. upper contact distinct.

SAMPLE LOG

LOCATOR: S12-78-NC

SAMPLE NO: 117G

STATION NO: 117

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	9-11 cm.	Wong	USGS	Mineral	11/12
1	"	Field	"	Texture	"
1	"	"	"	Age	"
2	200 cm	"	"	Nanno	"
2	"	"	"	Age	"
1	30 cm.	Hampton	"	Water cont.	11/17/78
1	50 cm.	"	"	"	"
1	80 cm.	"	"	"	"
1	130 cm.	"	"	"	"
2	190 cm.	"	"	"	"

USGS STATION LOG

SHIP / LEG S12-78-NC
LATITUDE 40°52.58'
LONGITUDE -124°31.55'
STATION NO. 118
LINE NO. E80A

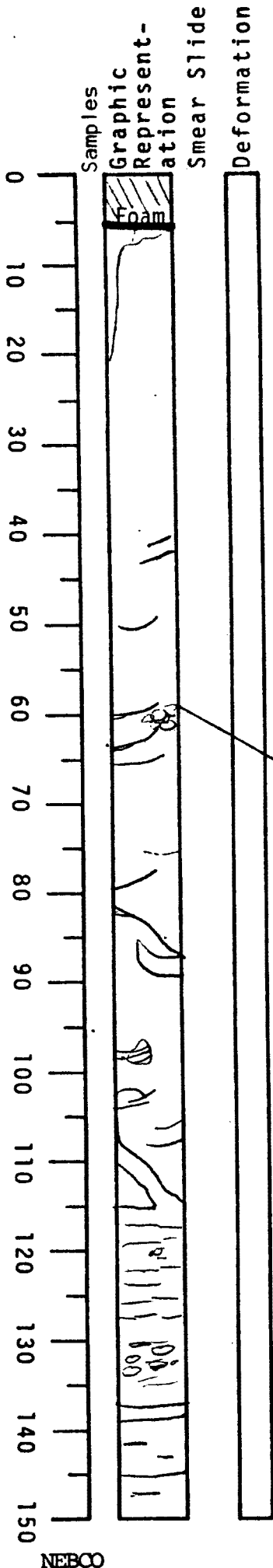
DAY/MONTH/YEAR
DATE 11/Nov/78
TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
118G	507m	2.0m		

REMARKS: Core in two sections
No core catcher sample

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.					SEC.		
S	1	2	7	8	N	C			1	1	8	G	0	1
							STATION#			OBSERVER				
								1	1	8	WCR			



0-5 cm. foam filler

5-85 cm. slightly silty clay, grayish olive (10Y4/2); upper 40 cm. massive, upper 20 cm. soupy; some traces of discontinuous beds from 40-85 cm. Faint trace of burrows at 75 cm; shell frag at 64 cm; bottom contact distinct and oblique 82-86 cm.

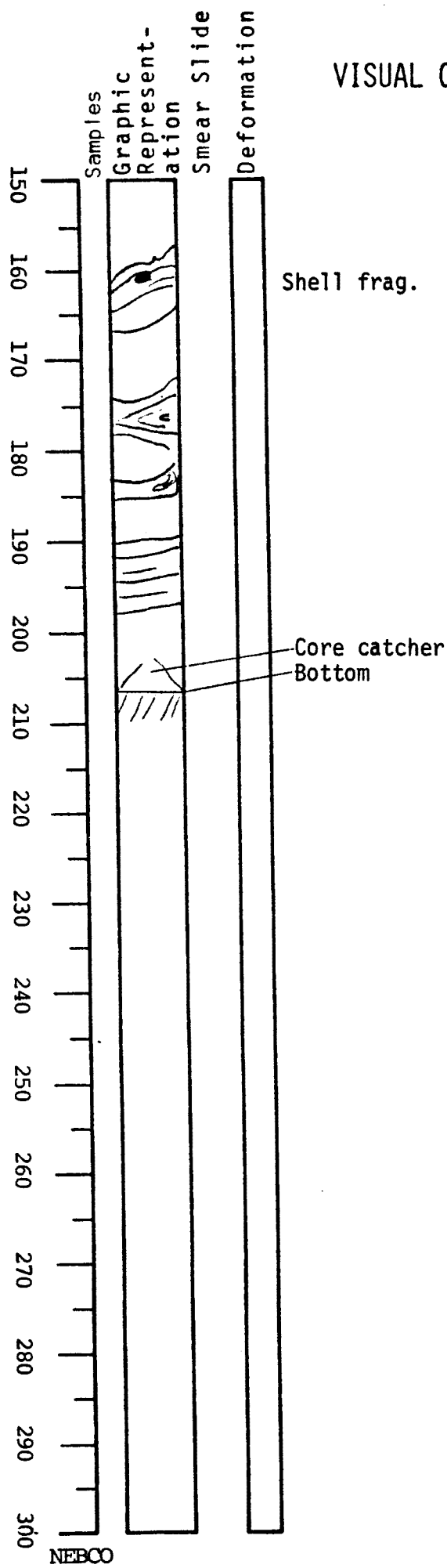
86-201 cm. silty clay, olive gray(5Y3/2); high contorted bedding; well defined filled burrows at 98, 105-115, and 135 cm. (all about 1-2 cm dia.); well defined discontinuous bedding from 100-125 cm; concentration of oval (1x2cm.) burrows at 127-137 cm. High contorted, well defined bedding from 160-185 cm, no signs of bioturbation within this interval. Indication of sediment creep or slump. Bedding becomes less contorted (horizontal) but not as well defined from 185-201 cm; shell frag at 108, 122, and 160 cm.

Shell frag.

Shell frag.

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.		
S	1	2	7	8	N	C		1	1	8	G	0	2
STATION#								OBSERVER					
118								WCR					



DESCRIPTION ON FIRST PAGE

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 40°53.20'
 LONGITUDE -124°35.91'
 STATION NO. 119
 LINE NO. E80A

DAY/MONTH/YEAR
 DATE 12/Nov/78

TYPE OF STORAGE (check one)

☐

DRY

☒

COLD

☐

FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
119G	595m	2.5 m		

REMARKS:

Core in two sections
No core catcher sample

VISUAL CORE DESCRIPTION

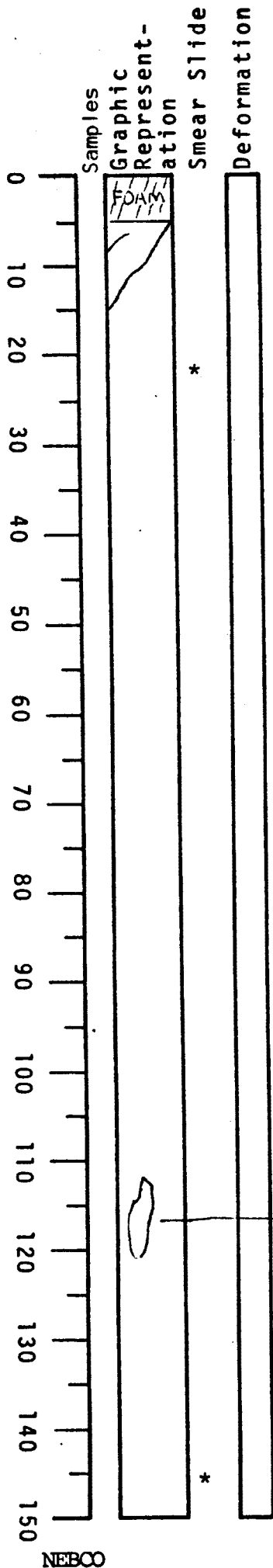
LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C	1	1	9	G	0	1
							STATION#			OBSERVER		
							1 1 9			MEF		

Core 119, 2.54m

0-15 cm. Void

15-30 cm. Soupy homogenized mud from coring

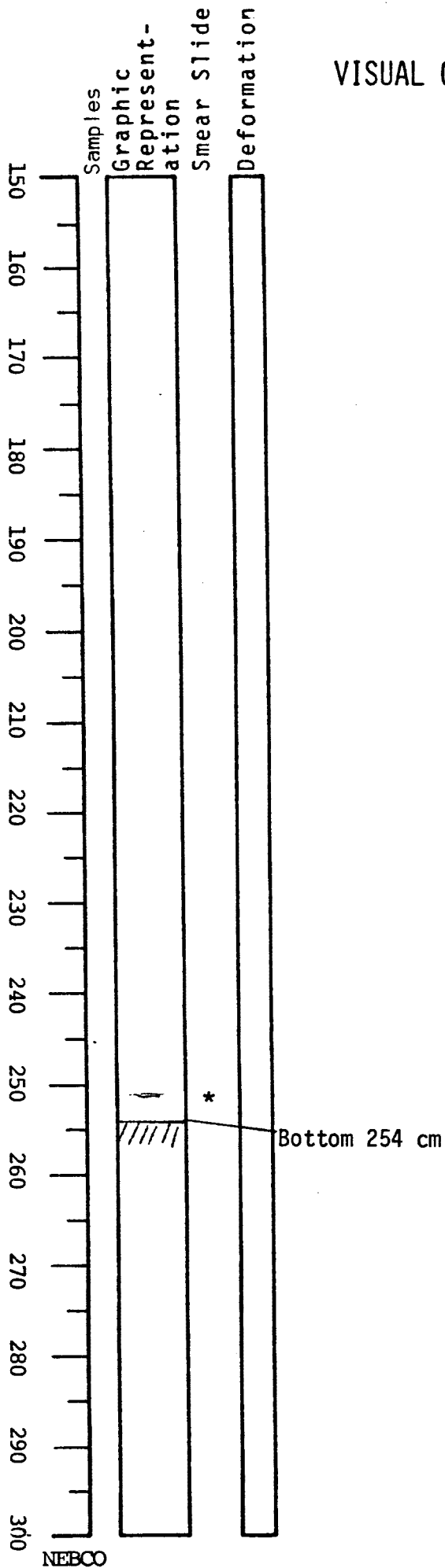
30- 254 cm. Greenish gray clayey fine silt - all one unit with no megascopically distinct contacts or sedimentary structures. Water content decreases between 30 and 60 cm, and essentially unchanged deeper. Primary characteristic is the large number of small burrows that are up to 2 cm. long in axial and up to 2 mm. in X section. One large "fresh" burrow at 115 to 121 cm. The structure is 2 cm. wide & infilled w. homogenized, v. watery gray mud. Small "burrows" (e.g. 211 cm.) are infilled with slightly coarser particles (cs. silt) and may represent partially degraded laminae.



NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	1	2	7	8	N	C			1	1	9	G	0	2
								STATION#			OBSERVER			
									1	1	9	MEF		



USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 40°56.7'
 LONGITUDE -124°37.1'
 STATION NO. 120
 LINE NO. E80A

DAY/MONTH/YEAR
 DATE 12/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

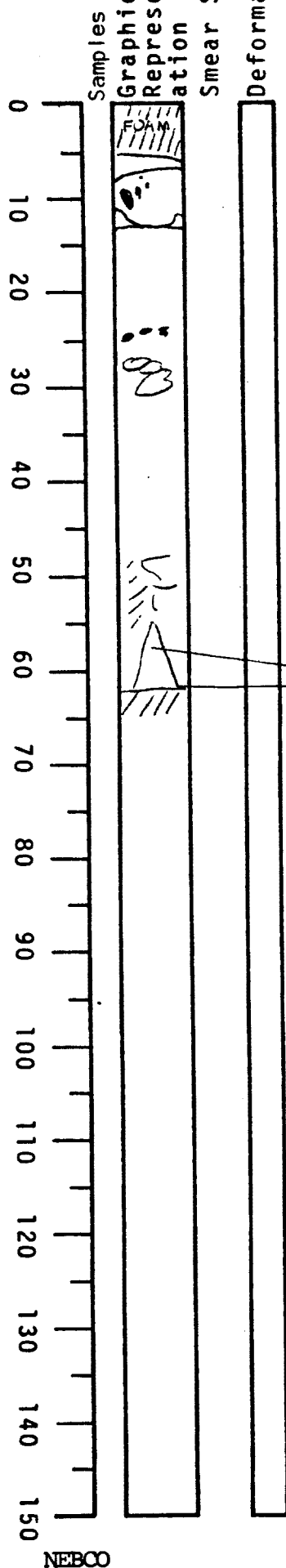
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
120G	495m	.62m		

REMARKS:

Core in one section
 Core catcher sample in bag

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.		
S	1	2	7	8	N	C		1	2	0	G	0	1
STATION#										OBSERVER			
1 2 0										WCR			



0-5 cm. Foam filler

5-62 cm. slightly silty clay, grayish olive (10Y4/2);
8-13 cm interval disturbed during cutting; entire core
 massive; light olive brown(5Y5/6) specks (2-3 mm dia.)
 at 10 mm. small (1-2 cm) mud lumps, dusky blue green
 (5BG3/2) at 24-25 cm; dark wispy streaks present at
 40-50 cm. but do not represent bedding; sediment very
 cohesive at top of core but becomes more rigid and com-
 pacted(hard) at base; core smelled H_2S immediately after
 splitting; questionable burrows (filled) at 28-32 cm.

STATION NO: 120[illegible]

NEBCO

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 40° 55.9'
 LONGITUDE -124° 36.5'
 STATION NO. 121
 LINE NO. E80A

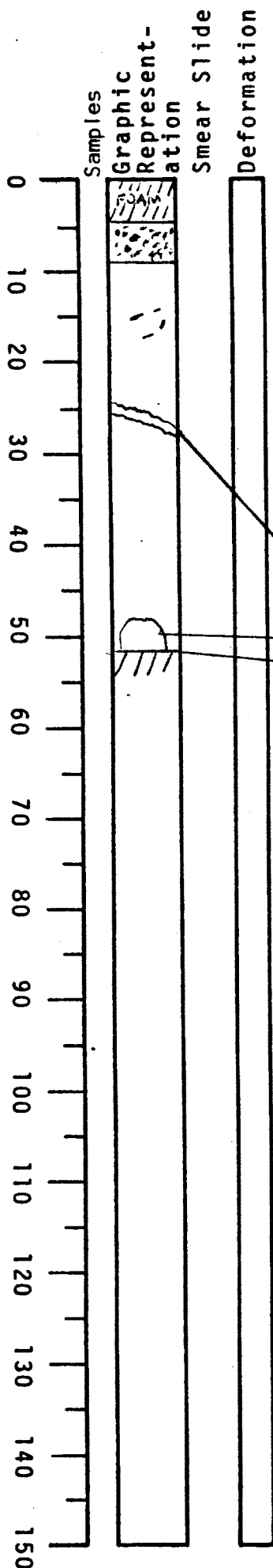
DAY/MONTH/YEAR
 DATE 12/Nov/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
121G	550m	0.52m		

REMARKS: Core in one section
 Core catcher in bag

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	2	1	G	0 1
							STATION#			OBSERVER		
							1	2	1	WCR		



0-4 cm. Foam filler

4-8 cm. Semiconsolidated mudstone lumps, angular, 3-6 mm in a soupy matrix of silty clay, grayish olive green (5GY3/2), lumps 75% matrix 25%; unit smelled of petroleum after splitting and watery matrix had a blue-violet iridescent sheen for 5 min. after splitting, lower contact horizontal and distinct.

Break in core

Core catcher
Bottom

8-52 cm. Well compacted silty clay, grayish olive green (5GY3/2); unit is rather dry and "granular" and easily crumbles to lumps similar to these in the unit directly above; unit is massive, structure less; shell frag. at 15& 38 cm; unit smelled of H₂S and slightly of petroleum after splitting; Greenish black (5GY2/1) mud lumps (5 mm) scattered throughout unit--makes up 1 unit.

72

(

(

USGS STATION LOG

SHIP / LEG S12-78-NC
 LATITUDE 40°54.8'
 LONGITUDE -124°35.4'
 STATION NO. 122
 LINE NO. E80A

DAY/MONTH/YEAR
 DATE 12/NOV/78
 TYPE OF STORAGE (check one)
☐ DRY ☒ COLD ☐ FROZEN

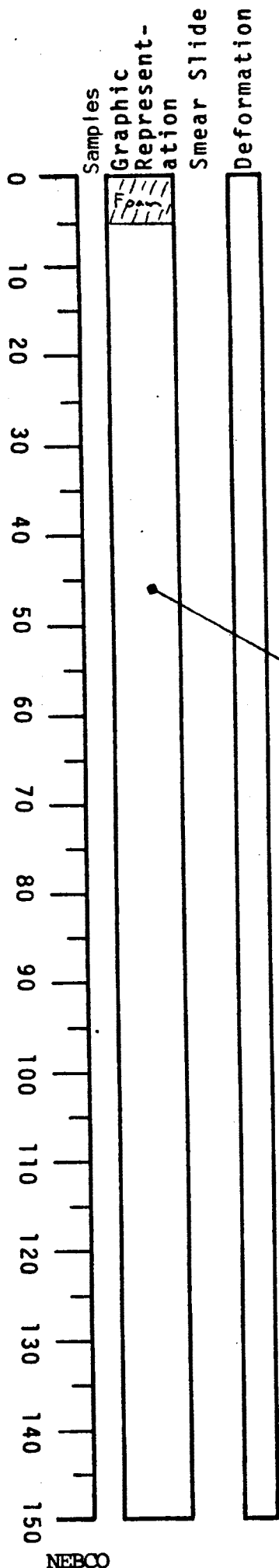
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
122G	581m	2.3		

REMARKS:

Core in 2 sections
 Core catcher sample in bag

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.	
S	1	2	7	8	N	C		1	2	2	G	0 1
							STATION#			OBSERVER		
							1	2	2	WCR		



0-5 cm. Foam filler

5-26 cm. clay, dusky yellow green (5GY5/2); very soupy; mixed and disturbed during splitting. Same comp. as lower unit.

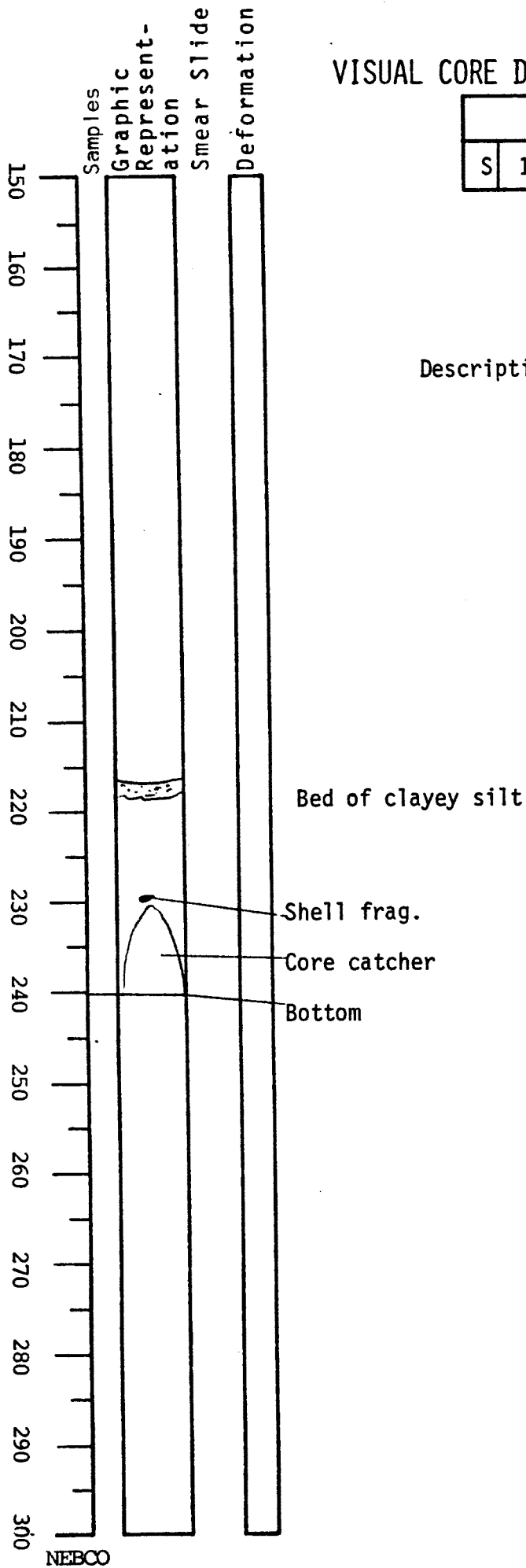
26-240 cm. Silty clay, grayish olive green (5GY3/2); massive; no interval contacts or sediment structures noted except at 218 cm. where a medium dark gray silt layer (1cm thick) is present--bottom contact sharp; upper contact gradational; entire unit is mixed, bioturbation is common; filled burrows (2 cm dia.) (not distinct) are common throughout unit; shell frag(<1cm) at 48&230 cm.

Shell frag.

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.				SEC.		
S	1	2	7	8	N	C		1	2	2	G	0	2
STATION#								OBSERVER					
1								2		2		WCR	

Description on page 1



SAMPLE LOG

LOCATOR: S12-78-NC

SAMPLE NO: 122G

STATION NO: 122

[illegible]

NEBCO